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700 m. concrete pipe 700/1050 mm oval cross-section
50 m. concrete pipe 600 and 400 mm diameter
(circular cross-section).

2. Third Directorate, Chemnitz 30

- a. The deputy head is a Russian name Chernidi (phonetic).
- b. A large number (about 150) of German employees were dismissed on 15 January 1953.

3. Ore sampler (Probennehmer)

- a. The pneumatic ore sampler for use with a conveyor belt 650 mm wide, consists of the following:
 1. Chute with swivel flap (Schwenk-Klapper) and cylinder (300 Kg weight)
 2. Magnetically operated control valve (31 kg weight)
 3. 2 compressed air pipes (2 m long, each)
 4. 1 double repeating time switch.
- b. The ore sampler takes a "sample" of about 10% of the ore passing along the conveyor belt. The time switch operates an electromagnetic air control valve (Steuerventil) on the cylinder of the swivel flap. The swivel flap itself is moved by compressed air passed into the cylinder through this control valve. Normally, the swivel flap is kept open for 18 seconds, in the sampling position for 2 seconds, again open for 18 seconds and so forth.
- c. The sampling period and the open period can each be set independently to any time between 1 and 60 seconds, in accordance with the amount required as a sample. The setting is done by means of a scale on the time switch.
- d. A maximum of 200 tons per hour can be handled.
- e. Compressed air at 4-6 atmospheres is required.
- f. The electromagnet, model M 196/14 D.B.G., is supplied by the firm VVB IKA Eisenach (VEB Elektroschaltgeraete Eisenach).
- g. The double repeating time switch, model H.M.R.2, is supplied by the firm Heliogen (Bad Blankenburg).

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